

## **SMALL MODE-FIELD FIBER LENS**

### **ABSTRACT**

A fiber lens includes a graded-index lens, a single-mode fiber disposed at a first end of the graded-index lens, and a refractive lens having a hyperbolic or near-hyperbolic shape disposed at a second end of the graded-index lens to focus a beam from the single-mode fiber to a diffraction-limited spot.

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